

~~SECRET~~

Approved For Release 2000/08/26 : CIA-RDP62-00328A000100360002-5

Office Memorandum • UNITED STATES GOVERNMENT
25X1A9a

TO :

DATE: 8 October 1956

FROM :

SUBJECT: Soviet Inquiry for West German Sheet Steel Testing Device:
(Detachment 6, 7056th AI SERON IR-195-56, March 1956, SECRET.)

1. Commerce, in a memorandum to EDIC of 17 September, had drawn attention to the delay in distribution of the subject report, which had also been transmitted by Embassy Bonn in Despatch 2437 of 4 June 1956. The report bears no date other than the collection date of 5 March and does not indicate which Washington agencies were included in DI/USAF distribution.

2. OCR received the report on 3 May, after which it was passed to E/C by the ORR Panel. E/ST was not included in the routing.

3. According to OCR recprds, the Bonn despatch was not received.

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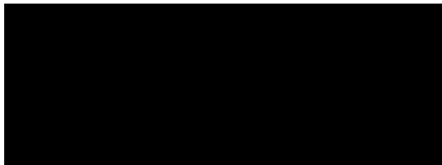
Attachment:

USAF Det 6, 7056th AISS IR-195-56

USAF Declass/Release Instructions On File~~SECRET~~

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FORM 112 REPLACES AF FORM 112, 1 SEP 64 **SECRET** **DO NOT CLASSIFY**
CLASSIFICATION **EX-6-1975**

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ASSOCIATION

SUPPLEMENT TO AF FORM 112

Det 6758T Air INTSEBON (SAFE) (R-155-50)

[illegible]

It is sheet steel, 2 1/2 to 3 mm wide and between .001 and .002 in gage. It has overhead stationary roller governors, Pts 2 and 16, which are located at both sides of device. Steel is transported by an electric driving motor, Pts 1 and 10, which moves two pairs of driving rollers, Pts 3 and 15, before each emitter-receiver pair. Pts 4 and 14, 12, 13, a set of two governors each, Pts 5 and 14, which enable user of device to emit and receive waves which have already been cut to shape. At the first level of governor drops below surface level, or to level just below, passing over edge or stamped-out holes) it causes a relay to snap, which in turn will lift respective emitter-receiver pair from object. When object of waves approaches surface of wave object, emitter is raised and receiver lowered, and vice versa. As waves pass through rollers, they are converted into mechanical waves, which are picked up by a receiver and converted back into electrical waves, which can read off oscillator-indicator or heard through earphones. A special recording device, which is not shown in sketch, relieves device operator of the necessity of using oscillators and indicators. As soon as one wave passes over rollers, a small electric fault, a snap, is made up and remains lit. Operator may also shift electric driving motor into reverse to find exact location of fault. During reverse operation, governors, Pts 9 and 14, operate in same fashion as governors, Pts 5 and 10, during normal operation. Oil-film sprayer, Pts 11 and 13, and a temperature gun, Pts 6 and 8, insure proper contact between emitter-receiver pairs and tested object. No info is frequency, speed of drive, recording, and type of plastic used to make emitter and receiver heads.

11LT USAF
GERALD B SMITH
Capt, USAF
Detachment Commander
Det 6, 102d Air Refueling

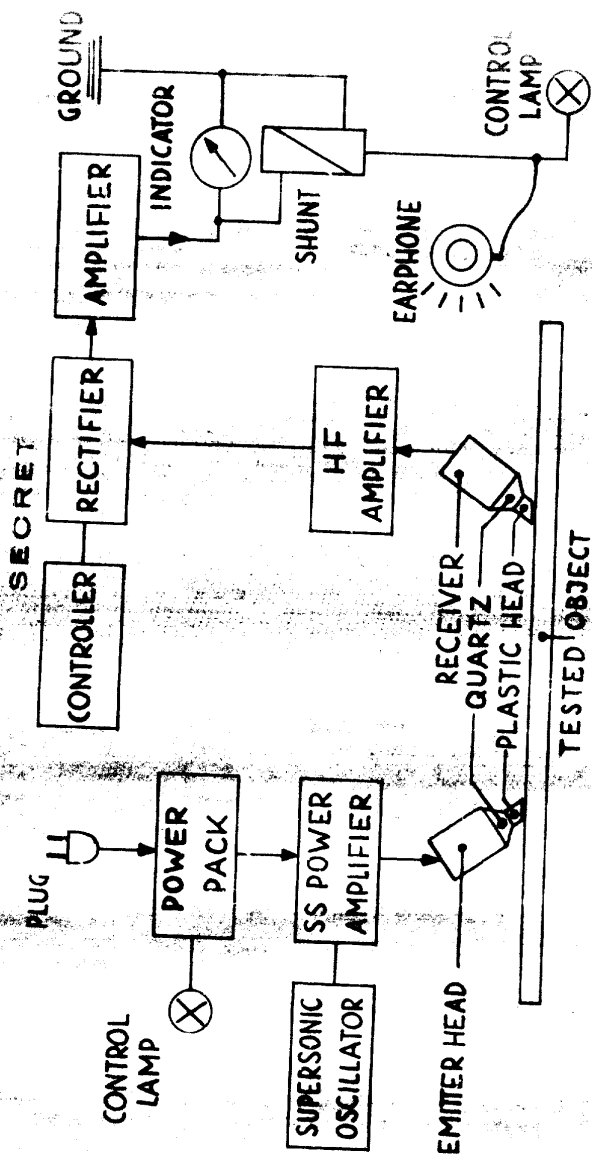
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SCHEME CHART OF SUPERSONIC
SHEET-METAL TESTING DEVICE
FIGURE # 1, IR # 195-56.

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MECHANICAL SCHEME CHART OF SUPERSONIC SHEET METAL TESTING DEVICE.

FIGURE # 2, IR # 195-56.

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